

## GIS REGISTRY INFORMATION

<b>SITE NAME:</b>	Witte Farm			<b>FID #</b> (if appropriate):
<b>BRRTS #:</b>	02-53-231665			
<b>COMMERCE #</b> (if appropriate):	53581-4335-22			
<b>CLOSURE DATE:</b>	December 16, 2003			
<b>STREET ADDRESS:</b>	25122 Cty Hwy T			
<b>CITY:</b>	Richland Center			
<b>SOURCE PROPERTY GPS COORDINATES</b> (meters in WTM91 projection):		<b>X =</b>	500655	<b>Y =</b> 317371
<b>CONTAMINATED MEDIA:</b>	Groundwater	<input checked="" type="checkbox"/>	Soil	<input checked="" type="checkbox"/> Both <input checked="" type="checkbox"/>
<b>OFF-SOURCE GW CONTAMINATION &gt;ES:</b>	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
• IF YES, STREET ADDRESS:				
• GPS COORDINATES (meters in WTM91 projection):		<b>X =</b>		<b>Y =</b>
<b>OFF-SOURCE SOIL CONTAMINATION</b> >Generic or Site-Specific RCL (SSRCL):		Yes	No	<input checked="" type="checkbox"/>
• IF YES, STREET ADDRESS 1:				
• GPS COORDINATES (meters in WTM91 projection):		<b>X =</b>		<b>Y =</b>
<b>CONTAMINATION IN RIGHT OF WAY:</b>		Yes	<input checked="" type="checkbox"/>	No <input type="checkbox"/>
<b><u>DOCUMENTS NEEDED</u></b>				
Closure Letter, and any conditional closure letter issued				<input checked="" type="checkbox"/>
Copy of most recent deed, including legal description, for all affected properties				<input checked="" type="checkbox"/>
Certified survey map or relevant portion of the recorded plat map (if referenced in the legal description) for all affected properties				<input type="checkbox"/>
County Parcel ID number, if used for county, for all affected properties				<input checked="" type="checkbox"/>
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.				<input checked="" type="checkbox"/>
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.				<input checked="" type="checkbox"/>
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)				<input checked="" type="checkbox"/>
Tables of Latest Soil Analytical Results (no shading or cross-hatching)				<input checked="" type="checkbox"/>
Isoconcentration map(s), if required for site investigation (SI) (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. If not available, include the latest extent of contaminant plume map.				<input checked="" type="checkbox"/>
GW: Table of water level elevations, with sampling dates, and free product noted if present				<input checked="" type="checkbox"/>
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)				<input checked="" type="checkbox"/>
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour				<input checked="" type="checkbox"/>
Geologic cross-sections, if required for SI. (8.5x14" if paper copy)				<input type="checkbox"/>
RP certified statement that legal descriptions are complete and accurate				<input checked="" type="checkbox"/>
Copies of off-source notification letters (if applicable)				<input type="checkbox"/>
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)				<input checked="" type="checkbox"/>
Copy of (soil or land use) deed restriction(s) or deed notice if any required as a condition of closure				<input type="checkbox"/>



December 16, 2003

E Kendall Witte  
5014 South Hill Drive  
Madison, WI 53705

RE: **Final Closure**

**Commerce # 53581-4335-22**      **WDNR BRRTS # 02-53-231665**  
Witte Farm, 25122 County Highway T, Richland Center

Dear Mr. & Ms. Witte:

The Wisconsin Department of Commerce (Commerce) has received all items required as conditions for closure of the site referenced above. This case is now listed as "closed" on the Commerce database and will be included on the Wisconsin Department of Natural Resources (WDNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual contamination. It is in your best interest to keep all documentation related to the environmental activities that were conducted.

If residual contamination is encountered in the future, it must be managed in accordance with all applicable state and federal regulations. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required.

Thank you for your efforts to bring this case to closure. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 261-6543.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ralph N. Smith'. The signature is fluid and cursive, written over a white background.

Ralph N. Smith  
Hydrogeologist  
Site Review Section

cc: Timothy Baker - Consultant  
Case File



November 26, 2003

E Kendall & Natalie Witte  
5014 South Hill Drive  
Madison, WI 53705

RE: **Conditional Case Closure**

**Commerce # 53581-4335-22**      **WDNR BRRTS # 02-53-231665**  
Witte Farm, 25122 County Highway T, Richland Center

Dear Mr. & Ms. Witte:

The Wisconsin Department of Commerce (Commerce) has reviewed the request for case closure prepared by your consultant, Northfield Environmental, for the site referenced above. It is understood that residual soil and groundwater contamination remains on-site. Commerce has determined that this site does not pose a significant threat to the environment and human health. No further investigation or remedial action is necessary.

**The following condition must be satisfied to obtain final closure:**

- Provide copies of the proper well abandonment documentation for the three groundwater monitoring wells (MW-1, MW-2, & MW-3) to this office at the letterhead address.

This letter serves as your written notice of "no further action". Timely filing of your final PECFA claim (if applicable) is encouraged. If your claim is not received within 120 days of the date of this letter, interest costs incurred after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 261-6543.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Ralph N. Smith'.

Ralph N. Smith  
Hydrogeologist  
Site Review Section

cc: Timothy Baker - Northfield Environmental  
Case File

- 147150 -

REGISTER OF DEEDS OFFICE  
Richland County, Wis.RECEIVED FOR RECORD THIS 15<sup>th</sup>

DAY OF MARCH A.D. 19 71

4:35 O'CLOCK P. M. AND RECORDED

IN VOL 127 OF DEEDS PAGE 572

William W. Blagden REGISTER

THIS SPACE RESERVED FOR RECORDING DATA

5014 S. RETURN TO  
MADISON 53705THIS INSTRUMENT Made by Fred S. Wirtz and  
Bessie F. Wirtz, his wife, and in her  
own right.grantor of Richland County, Wisconsin, hereby conveys  
and warrants to E. Kendall Witte and Natalie S.  
Witte, as tenants in common, and not as  
joint tenantsgrantee S  
of Richland County, Wisconsin,  
for the sum of One (\$1.00) Dollar and other good  
and valuable consideration  
the following tract of land in Richland County, State of Wisconsin:North one-half (½) of Southwest one-fourth (¼); Northwest one-  
fourth (¼) of Southeast one-fourth (¼); and Southwest one-fourth  
(¼) of Northeast one-fourth (¼); all in Section Twenty-two (22),  
Township Ten (10) North, Range Two (2) East, Richland County,  
Wisconsin.

TRANSFER

\$ 22.50<sup>pd.</sup>  
FEE (R.D.)IN WITNESS WHEREOF, the said grantors have hereunto set their hand and seal this 15th  
day of March A.D. 19 71

SIGNED AND SEALED IN PRESENCE OF

F. Paul Fowell

Mary Ann Bahr

STATE OF WISCONSIN

Richland County, } ss.

Personally came before me this 15th day of March, A.D. 19 71  
the above named Fred S. Wirtz and Bessie F. Wirtz, his wife

\*to me known to be the person who executed the foregoing instrument and acknowledged the same.

\*Delete as required

This instrument drafted by

Donald D. Willink, Atty. Madison, Wisc.

\*Delete as required

Notary Public, Richland County, Wis.

My Commission Expires (to) Permanent

(Section 59.51 (1) of the Wisconsin Statutes provides that all instruments to be recorded shall have plainly printed or typewritten thereon the names of the grantors, grantees, witnesses and notary).

WARRANTY DEED-STATE OF WISCONSIN, FORM NO. 9

FURNISHED BY ABSTRACT &amp; TITLE ASSOCIATES, INC.

STATE OF WISCONSIN) ss.  
COUNTY OF RICHLAND)I, Susan Triggs, Register of Deeds in and for said County do hereby  
certify that the adjacent photograph is a true and correct copy  
of the transcript on file in the office.IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed by  
official seal the 16th day of December A.D., 2002.

REGISTER OF DEEDS, Richland County, WI

I E. Kendall Witte believe, to the best of my knowledge, that the legal description in the property deed provided for entry on the GIS registry are correct.

*E. Kendall Witte*

E. Kendall Witte

*4/4/03*

Date

*Natalee A Witte*

*4 - 4 - 03*

RECEIVED

APR 7 2003

RECEIVED

Wisconsin DNR - Groundwater Use Restrictions - Microsoft Internet Explorer provided by WI Dept of Commerce

File Edit View Favorites Tools Help

Search Web NEW Get Pop-Up Blocker Sign In Mail Games Yahoo!

### Map Legend

Closed Remediation Sites:

- contaminated groundwater ●
- contaminated soil ▲
- groundwater, soil contaminated ■

Offsource, contaminated properties ●

Counties //

Interstate/US/State Highways //

River/Streams/Openwater //

Cities, Towns, Villages ■

Center / Pan / ▲WTM91 coordinates

Zoom\_In The Most

Zoom\_Out 1.5x

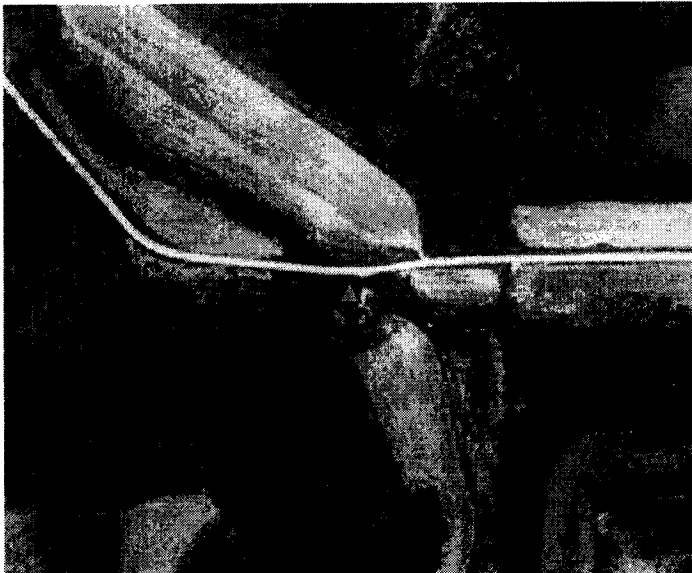
Identify By Point Location

Or select a county RICHLAND Find

Or select city/town/village ALBANY Find

Enter a county or a city / village name to find: Find

Scale 1 : 3,839



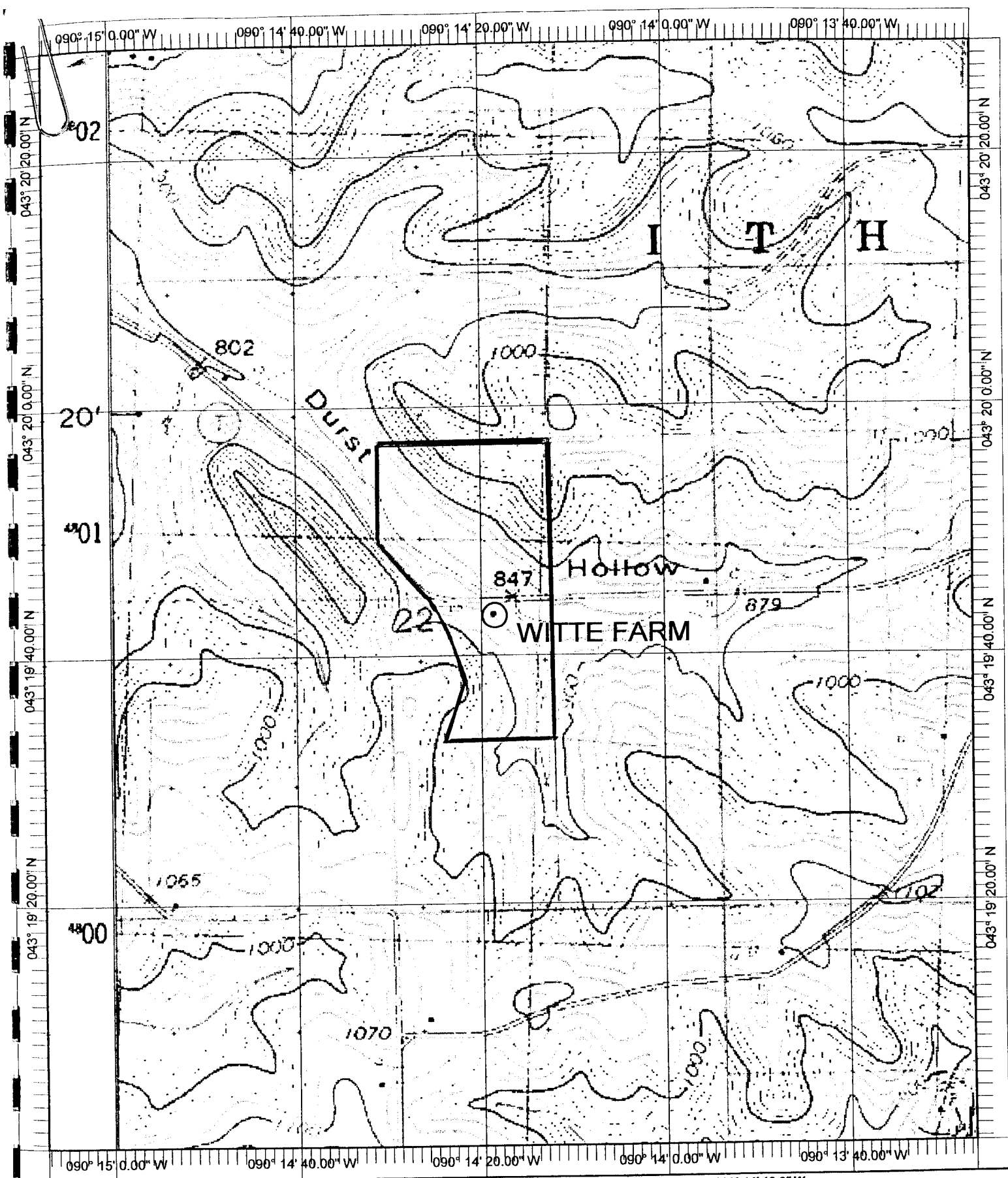
Please read the documentation for more information.

▲WTM coordinates: 500655, 317371

Done

Start Inbox - Micro... Production T... Microsoft Wa... WDNR - GIS... Wisconsin...

Internet 1:38 PM



<Default> - 1 Markers, Length = 0 feet

WITTE FARM - 043° 19' 43.2" N, 090° 14' 18.6" W

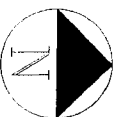
Name: BEAR VALLEY  
 Date: 12/6/100  
 Scale: 1 inch equals 1000 feet

Location: 043° 19' 44.8" N 090° 14' 16.9" W  
 Caption: WITTE FARM LOCATION MAP  
 by Tim Baker of  
 Northfield Environmental

FIGURE 3

WITTE FARM SEPTEMBER GROUNDWATER TABLE MAP

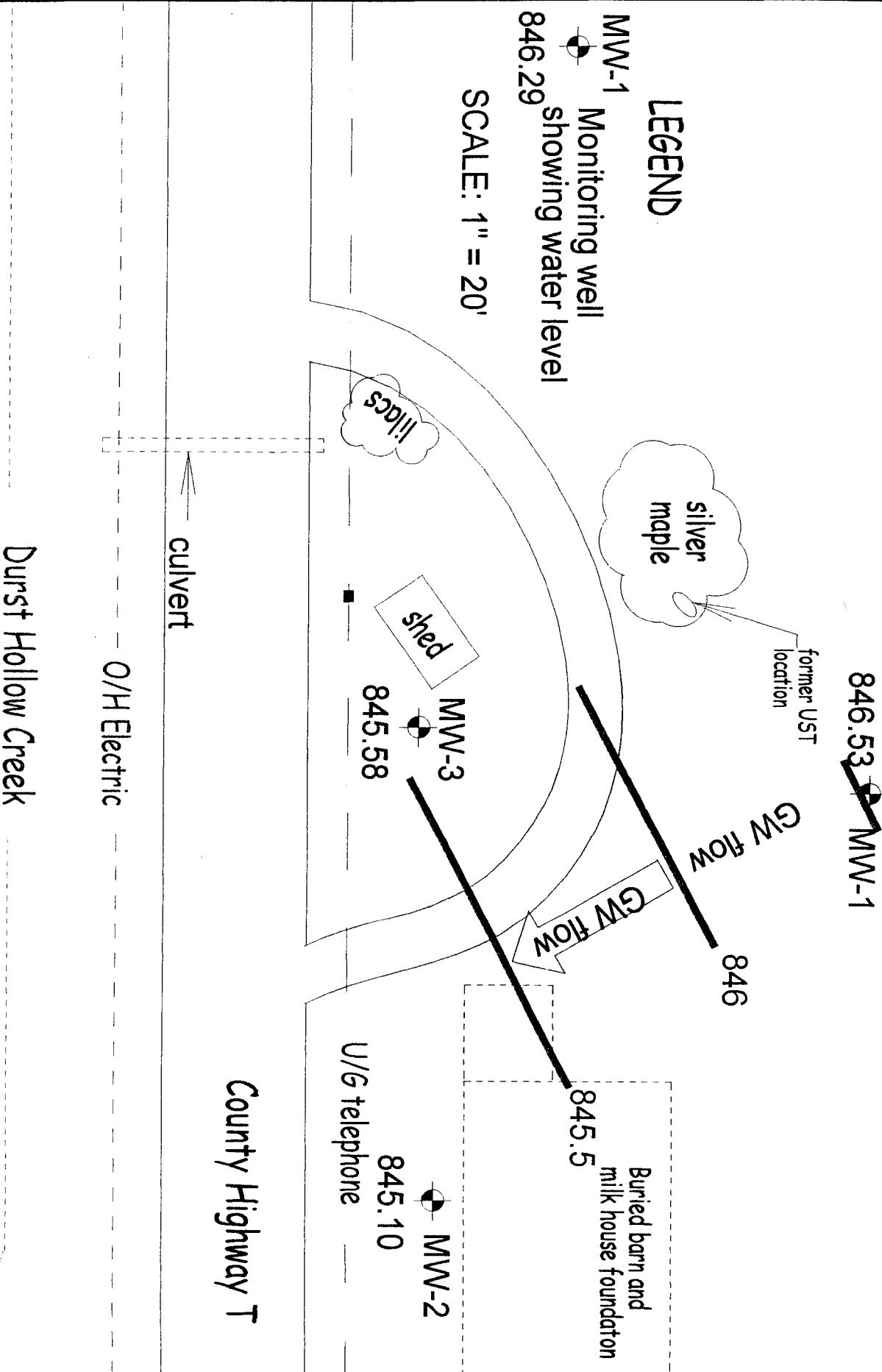
by Tim Baker September 7, 2001



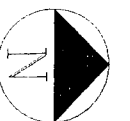
LEGEND

MW-1  
Monitoring well  
846.29  
showing water level

SCALE: 1" = 20'







# FIGURE 4 WITTE FARM MARCH GROUNDWATER TABLE MAP

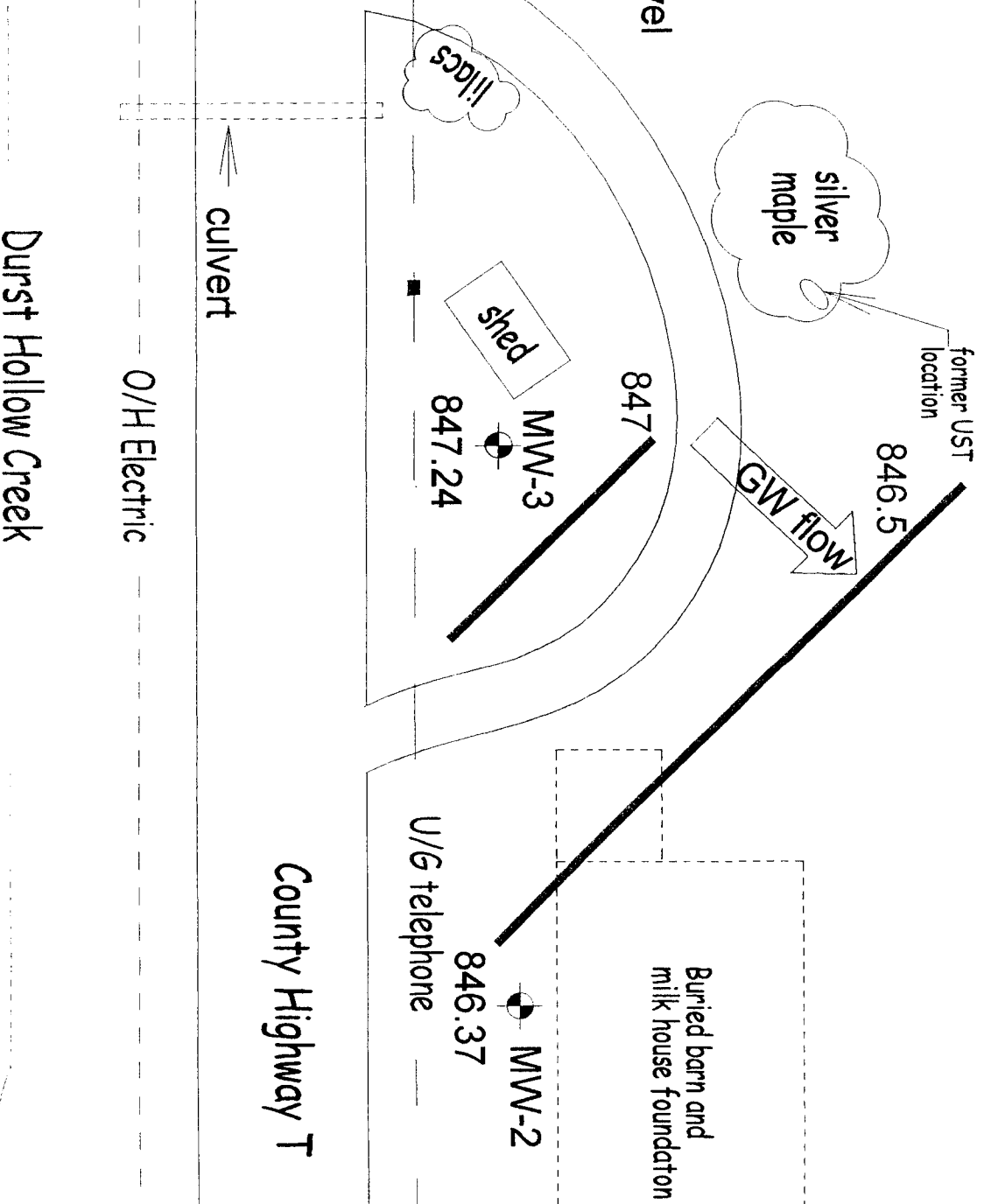
by Tim Baker March 21, 2002

846.29 • MW-1

## LEGEND

MW-1  
Monitoring well  
showing water level  
846.29

SCALE: 1" = 20'





# FIGURE 5 WITTE FARM JUNE GROUNDWATER TABLE MAP

by Tim Baker June 16, 2002

846.67 • MW-1

## LEGEND

MW-1  
Monitoring well  
846.67  
showing water level

SCALE: 1" = 20'

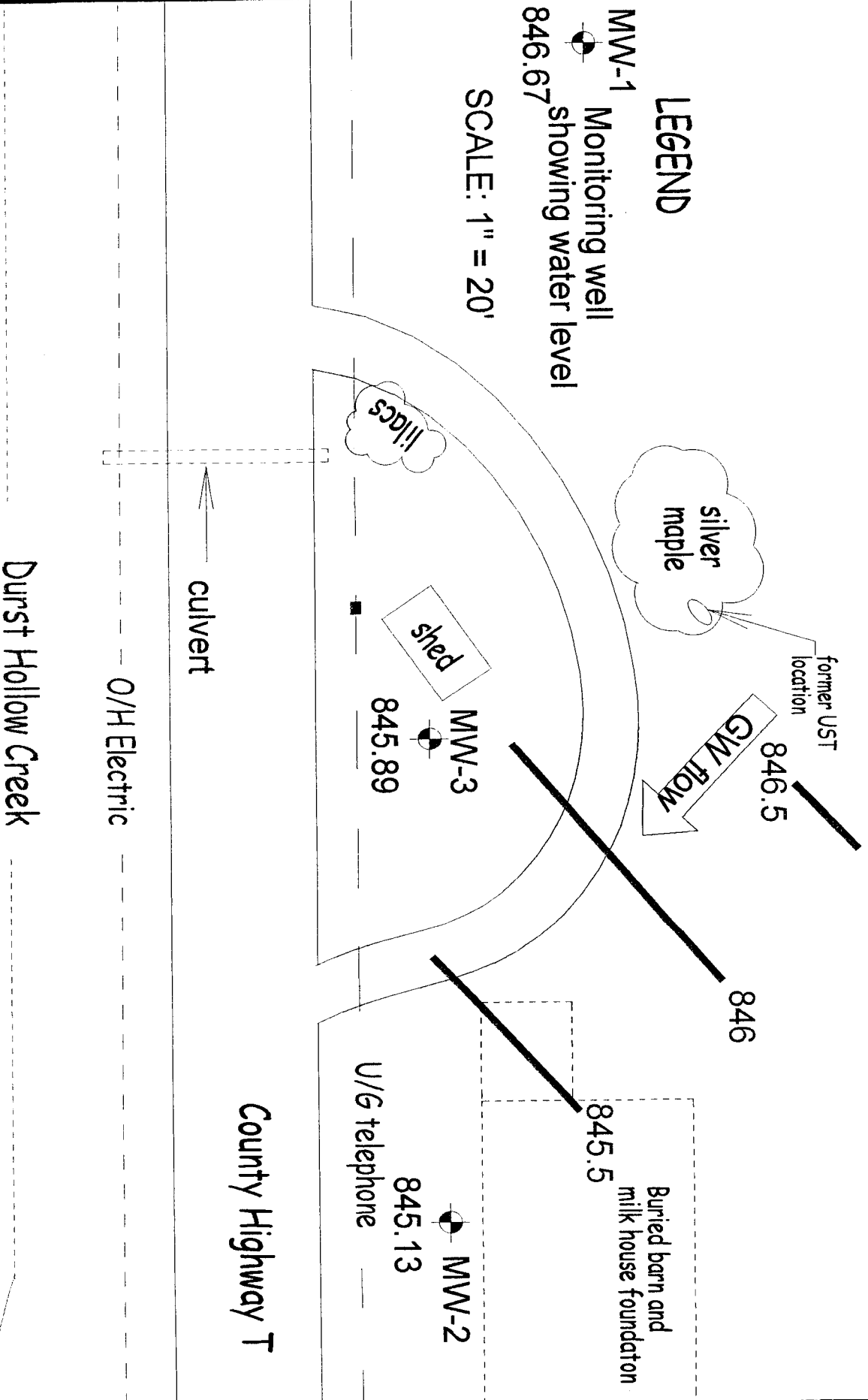
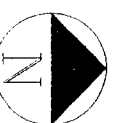


FIGURE 6

# WITTE FARM SAMPLE LOCATION MAP

by Tim Baker



MW-1

gp-1

gp-2

silver  
maple

former UST

gp-7

gp-3

gp-4

gp-5

Geoprobe location

MW-1 Monitoring well

location

SCALE: 1" = 20'

gp-6

lilacs

shed

MW-3

gp-5

culvert

O/H Electric

gp-8

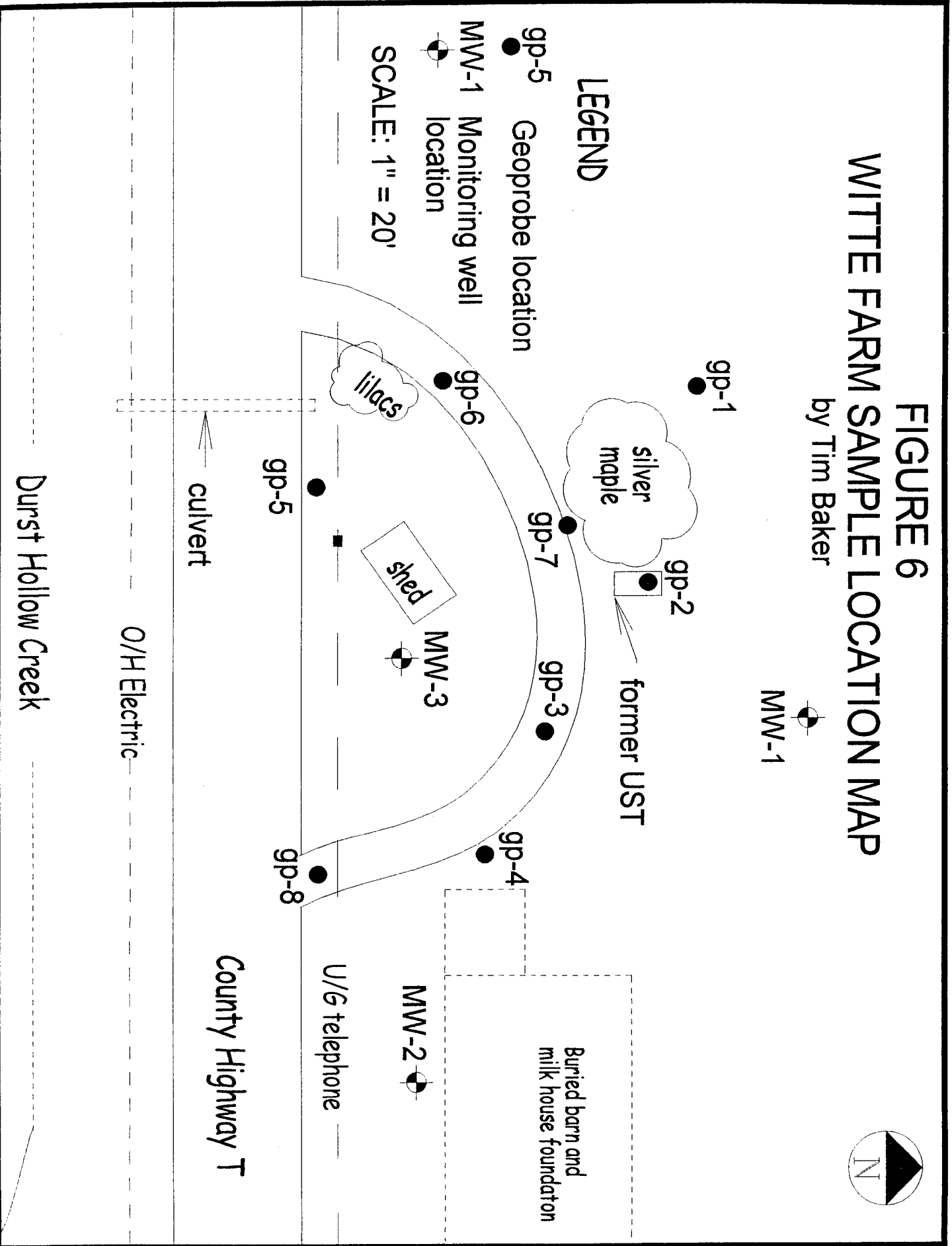
U/G telephone

MW-2

Buried barn and  
milk house foundation

County Highway T

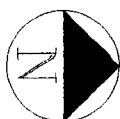
Durst Hollow Creek



# FIGURE 7

## WITTE FARM GROUNDWATER PLUME MAP

by Tim Baker

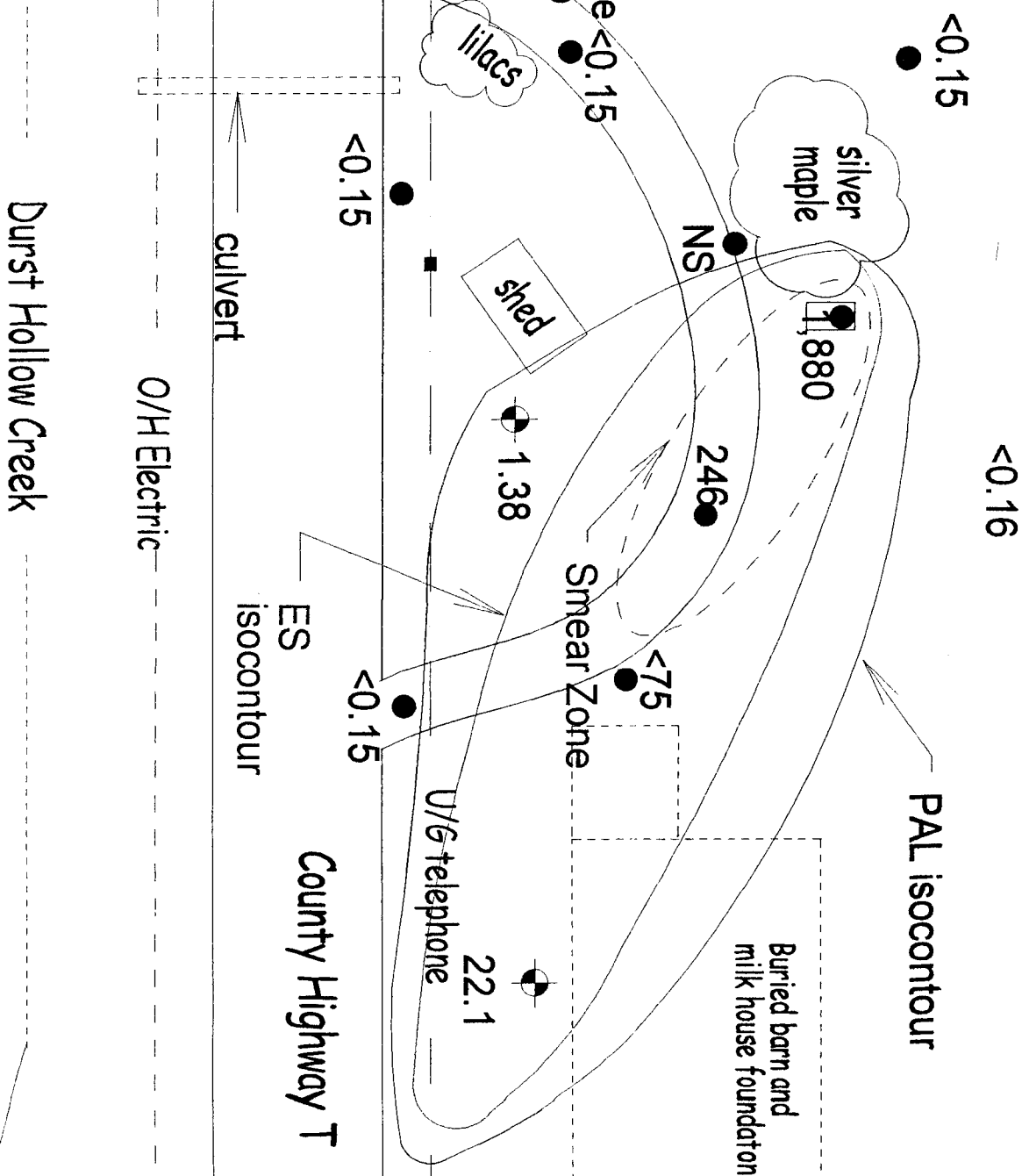


### LEGEND

● 246 Geoprobe benzene concentration in ppb

⊙ Monitor well benzene concentration in ppb

SCALE: 1" = 20'



**TABLE 1**  
**WITTE FARM AQUIFER PARAMETERS**

AQUIFER PARAMETER	MW-1	MW-2	MW-3
Horizontal Hydraulic Conductivity ( $K_h$ ) cm/s {(Bouwer and Rice Method (slug out))}	0.00351	0.00515	0.00967
Effective Porosity ( $n_e$ )	0.4	0.4	0.4
Horizontal Hydraulic Gradient ( $i_h$ ) ft/ft	0.0182	0.0182	0.0182
Groundwater Velocity $v=K_h i_h / n_e$ ft/day	0.452707087	0.664228346	1.247201575
Dry Bulk Density ( $P_b$ ) g/cm <sup>3</sup>	2	2	2
Aquifer Carbon Fraction ( $f_{oc}$ )	0.001	0.001	0.001

Average Depth to Water (feet)	12
Average Groundwater Flow Direction	SE

PETROLEUM COMPOUND	$K_{oc}$ (L/Kg)	Compound Retardation $R= 1+(P_b/n_e)K_{oc}f_{oc}$	Compound Velocity (ft/day) $V_{mw2}=v/R$
Benzene	59	1.295	0.512917642
Ethylbenzene	363	2.815	0.235960336
1,2- Dibromoethane (EDB)	28	1.14	0.582656444
1,2- Dichloroethane	17	1.085	0.612192024
Toluene	182	1.91	0.347763532
Xylene, m	407	3.035	0.218856127
Xylene, o	363	2.815	0.235960336
Xylene, p	389	2.945	0.22554443
1,2,4- Trimethylbenzene	3700	19.5	0.034062992
1,3,5- Trimethylbenzene	820	5.1	0.130240852
Methyl-tert-butyl ether (MTBE)	12	1.06	0.626630516
Naphthalene	2000	11	0.060384395

*Effective porosity, dry bulk density, and aquifer carbon fraction values obtained from the WDNR NA guidance .*

**TABLE 3**  
**WITTE FARM GEOPROBE "SMEAR ZONE" SAMPLE RESULTS**

<i>all results in parts per million or mg/kg</i>	GEOPROBE SOIL SAMPLES Collected December 29, 2000							
	GP1 10-12'	GP2 10-12'	GP3 10-12'	GP4 12-14'	GP5 8-10'	GP6 8-10'	GP7 8-10'	RCL GW
<b>Lead</b>	8.34	14.5	3.94	9.6	8.41	17.2	8.55	50
<b>PID field screening</b>	6.1	436	305	392	1.3	0.6	1.0	NT
<b>GRO</b>	<6.12	NS	30.0	<5.84	<6.17	<6.41	<6.16	100
<b>VOC/PVOC+DCA</b>	see below	see below	see below	see below	see below	see below	see below	see below
<b>Benzene</b>	<0.25	<10.0	<0.25	<0.25	<0.25	<0.25	<0.25	0.055
<b>1,2-Dichloroethane (DCA)</b>	<0.25	<10.0	<0.25	<0.25	<0.25	<0.25	<0.25	0.049
<b>Ethylbenzene</b>	<0.25	44.3	<0.25	<0.25	<0.25	<0.25	<0.25	2.9
<b>Methyl t-Butyl Ether (MTBE)</b>	<0.25	<10.0	<0.25	<0.25	<0.25	<0.25	<0.25	NT
<b>Naphthalene</b>	<0.25	16.9	<0.25	<0.25	<0.25	<0.25	<0.25	0.4
<b>Toluene</b>	<0.25	14	<0.25	<0.25	<0.25	<0.25	<0.25	1.5
<b>1,2,4-Trimethylbenzene</b>	<0.25	148	0.209	<0.25	<0.25	<0.25	<0.25	NS
<b>1,3,5-Trimethylbenzene</b>	<0.25	58.90	<0.25	<0.25	<0.25	<0.25	<0.25	NS
<b>m- &amp; p-Xylene</b>	<0.25	170	0.0828	<0.25	<0.25	<0.25	<0.25	4.1
<b>o-Xylene &amp; Styrene</b>	<0.25	39.2	<0.25	<0.25	<0.25	<0.25	<0.25	
<b>n-Propylbenzene</b>	NS	20.5	NS	NS	NS	NS	NS	NT
<b>sec-Butylbenzene</b>	NS	14.4	NS	NS	NS	NS	NS	NT

*This table lists only the parameters detected by the laboratory. For a list of all parameters analyzed and their detection limits please see the complete laboratory results in Appendix 4. The values italicized exceed the GRCL levels for these compounds. There was no contamination observed in the soil above the high water-table mark.*

**TABLE 5**  
**WITTE FARM MONITORING WELL GROUNDWATER SAMPLE RESULTS**

<i>all results in parts per billion or µg/l, unless otherwise noted.</i>	GROUNDWATER SAMPLES							
	MW-1 9/7/01	MW-1 3/21/02	MW-2 9/7/01	MW-2 3/21/02	MW-3 9/7/01	MW-3 3/21/02	PAL <i>(italics)</i>	ES <b>(bold)</b>
Watertable Elevation (in feet)	846.53	846.29	845.10	846.37	845.58	847.24		
Alkalinity as CaCO <sub>3</sub> (mg/L)	385	NS	380	NS	260	NS		
Total NO <sub>3</sub> +NO <sub>2</sub> +N (mg/L)	0.757	NS	NS	NS	0.757	NS		
Dissolved Iron (mg/L)	0.168	NS	2.98	NS	0.46	NS		
Dissolved Oxygen (mg/L)	5.97	NS	4.41	NS	4.88	NS		
Total Lead	1.27	NS	3.58	NS	<1.0	NS	1.5	<b>15</b>
Benzene	<0.16	<0.31	<b>22.1</b>	<0.31	1.38	<0.31	0.5	<b>5</b>
Ethylbenzene	<0.5	<0.5	220	<0.5	<0.5	<0.5	140	<b>700</b>
Methyl t-Butyl Ether (MTBE)	<0.3	<0.3	<15	<0.3	<0.3	<0.3	12	<b>60</b>
Naphthalene	2.25	<0.8	<b>128</b>	<0.8	<0.8	<0.8	8	<b>40</b>
Toluene	<0.4	<0.03	49.7	<0.3	<0.4	<0.3	200	<b>1,000</b>
1,2,4-Trimethylbenzene + 1,3,5-Trimethylbenzene	<0.57	2.858	402.1	<0.71	<0.71	<0.71	96	<b>total TMBs 480</b>
m- & p-Xylene + o-Xylene & Styrene	0.575	<0.92	434.2	<0.92	<0.57	<0.92	1,000	<b>total xylenes 10,000</b>
n-Butylbenzene	0.5	NS	<12	NS	<0.24	NS	none	none
sec-Butylbenzene	0.986	NS	<9.5	NS	<0.19	NS	none	none
Chloroform	0.248	NS	<12	NS	<0.24	NS	0.06	<b>0.6</b>

*This table lists only the parameters detected by the laboratory. For a list of all parameters analyzed and their detection limits please see the complete laboratory results in Appendix 4. Values in italics exceed the PAL. Values bolded exceed the ES.*

November 20, 2003

Richland County Clerk  
P.O. Box 310  
Richland Center, WI 53581

***Re: Notification of the presence of gasoline-impacted soil and groundwater; The Witte farm site, 25122 County Road T, Ithica Township, Wisconsin***

Richland County Clerk,

This letter is to inform you that there is petroleum-impacted soil and groundwater remaining at the above referenced site. The highest soil concentrations detected in this area include the following: Gasoline Range Organics (436 mg/Kg), benzene (<10 mg/Kg), toluene (14 mg/Kg), ethylbenzene (44.3 mg/Kg) and total xylenes (209.2 µg/Kg). Each of these are above the NR 720 Generic Residual Contaminant Level (GRCL) for each respective compound. The samples were collected from depths ranging from 8 to 12 feet below ground surface. This soil impacted area is near the highway but is not believed to be within the right-of-way.

There is also impacted groundwater associated with this site that is situated under County Highway Y, right-of-way. Both benzene and naphthalene have been detected at levels above the NR 140 Enforcement Standard (ES). Benzene was detected at 22.1 µg/L during September 2001 and has since decreased to <0.31 µg/L in March 2002. Naphthalene has also decreased from 128 µg/L in September 2001 to <0.8 µg/L in March 2002. Two figures delineating the gasoline-impacted soil and groundwater areas are enclosed.

Northfield Environmental, who are the consultants that investigated the gasoline release have informed me that any remaining impacted soil and groundwater will naturally degrade over time. If you have any questions or comments, feel free to contact my consultant at 715-284-1113.

Sincerely,

Natalie Witte

*Natalie Slocomb Witte 1-19-03*  
*E. Sundell Smith 11/19/03*

enc. Figure 1, Witte farm soil plume map and Figure 2, Witte farm groundwater plume map



# FIGURE 1 WITTE FARM SOIL PLUME MAP

<< Durst Hollow Creek <<

O/H Electric

County Highway T

UTG telephone

Culvert

soil area where gasoline  
residual contaminant levels  
are exceeded

former UST  
location

exposed bedrock

septic  
system

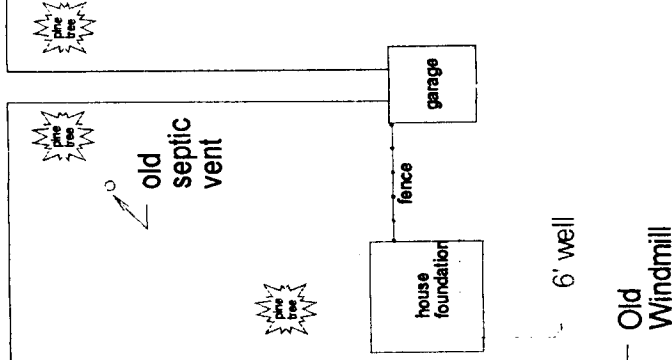
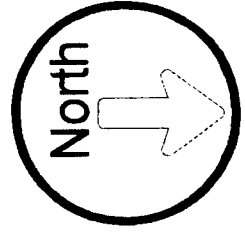
6' well

Old  
Windmill

exposed bedrock

By Tim Baker of  
**NORTHFIELD  
ENVIRONMENTAL**  
November, 2000

Scale: 1 inch = 50 feet



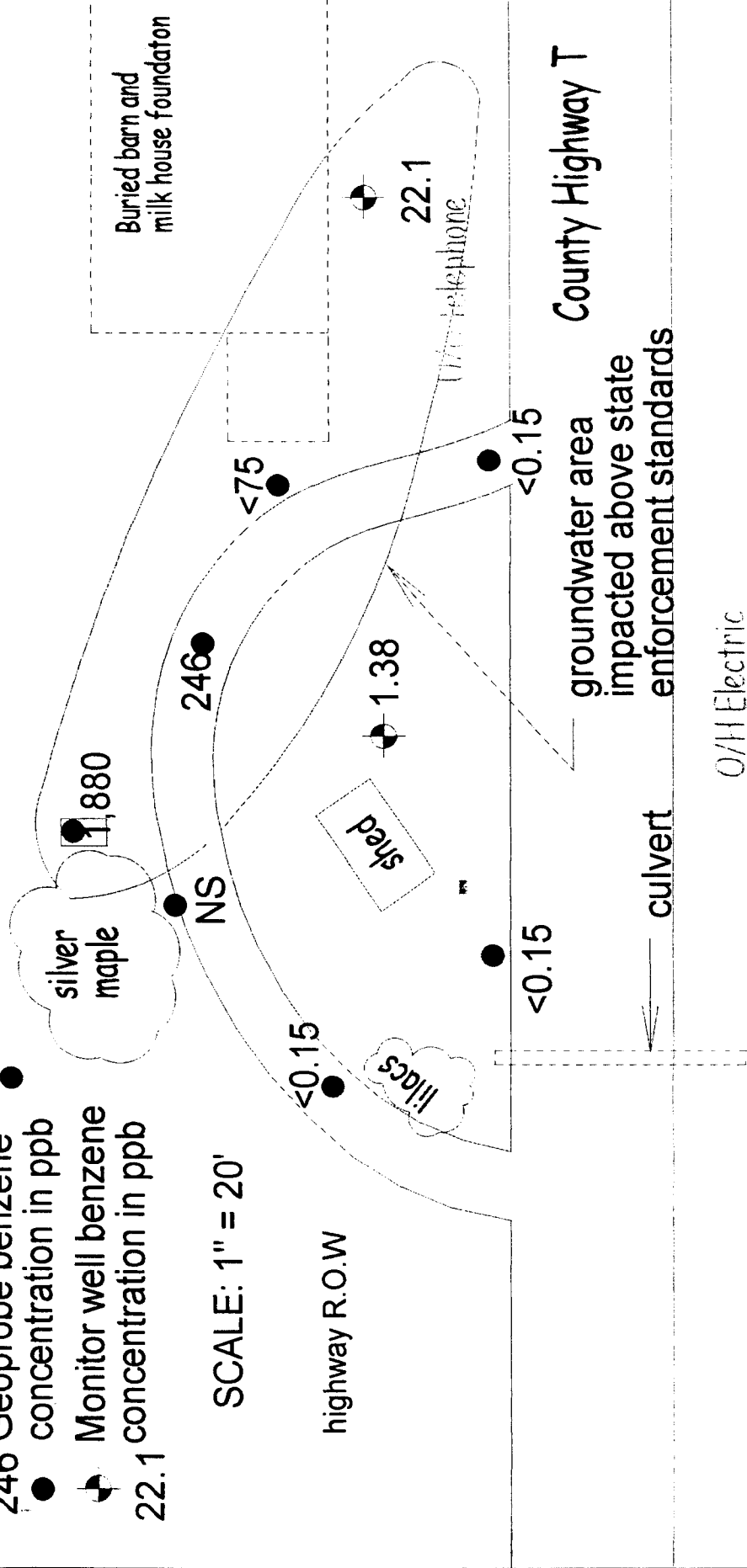
by Tim Baker of Northfield Environmental

v0.16

## LEGEND

- 246 Geoprobe benzene  
● concentration in ppb
- Monitor well benzene  
● concentration in ppb
- 22.1
- <0.15

SCALE: 1" = 20'



highway R.O.W

# Durst Hollow Creek